

# Recovery Plan Action Status

Plan Name: Flattened Musk Turtle

Plan Status: Final

Plan Date: 26-Feb-90

Lead Agency: USFWS

Lead Office: Mississippi Ecological Services Field Office

(601)

965-4900 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Flattened musk turtle (Sternotherus depressus)	2	1	Develop habitat restoration plan	Partially Complete	Prior to FY 1995	FY 2010	U.S. Geological Survey, U.S. Forest Service, U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, Alabama Department of Industrial Relations, Alabama Department of Environmental Management, Environmental Protection Agency , Bureau Land Management , Soil Conservation Service , Alabama Geological Survey , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Office of Surface Mining, Alabama Surface Mining Commission	Research: Habitat Requirements, Research: Habitat Status, Research: Other Information	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	Normal operating costs

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Flattened musk turtle (Sternotherus depressus)	2	2	Implement habitat restoration plan	Ongoing Current	Prior to FY 1995	FY 2020	U.S. Geological Survey, U.S. Forest Service, U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, Alabama Department of Industrial Relations, Alabama Department of Environmental Management, Environmental Protection Agency , Bureau Land Management , Soil Conservation Service , Alabama Geological Survey , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Office of Surface Mining, Alabama Surface Mining Commission	Management: Habitat Maintenance and Manipulation	Internal Field Assistance, Internal Technical Assistance, Species Expert	Normal operating costs

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Flattened musk turtle ( <i>Sternotherus depressus</i> )	2	3	Develop study plan	Partially Complete	Prior to FY 1995	FY 2010	U.S. Geological Survey, U.S. Forest Service, U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, Alabama Department of Industrial Relations, Alabama Department of Environmental Management, Environmental Protection Agency , Bureau Land Management , Soil Conservation Service , Alabama Geological Survey , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Office of Surface Mining, Alabama Surface Mining Commission	Research: Demographic Studies, Research: Disease, Research: Environmental Contaminants, Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Population Surveys, Research: Taxonomic Studies	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	Normal operating costs
Flattened musk turtle ( <i>Sternotherus depressus</i> )	2	4	Conduct studies	Ongoing Current	FY 2011	FY 2020	Alabama Department of Conservation and Natural Resources, U.S. Fish and Wildlife enhancement	Research: General	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Costs to be determined

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Flattened musk turtle ( <i>Sternotherus depressus</i> )	2	5	Reduce on-going adverse actions	Ongoing Current	Prior to FY 1995	FY 2030	U.S. Geological Survey, U.S. Forest Service, U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, Alabama Department of Industrial Relations, Alabama Department of Environmental Management, Environmental Protection Agency , Bureau Land Management , Soil Conservation Service , Alabama Geological Survey , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Office of Surface Mining, Alabama Surface Mining Commission	Management: Disease Control, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Information and Education	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Normal operating costs

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Flattened musk turtle (Sternotherus depressus)	3	6	Minimize isolation	Not Started	FY 2021	FY 2030	U.S. Geological Survey, U.S. Forest Service, U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, Alabama Department of Industrial Relations, Alabama Department of Environmental Management, Environmental Protection Agency , Bureau Land Management , Soil Conservation Service , Alabama Geological Survey , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Office of Surface Mining, Alabama Surface Mining Commission	Management: Other	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	As determined by 2.2

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Flattened musk turtle (Sternotherus depressus)	3	7	Decrease incidence of disease	Not Started	FY 2021	FY 2030	U.S. Geological Survey, U.S. Forest Service, U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, Alabama Department of Industrial Relations, Alabama Department of Environmental Management, Environmental Protection Agency , Bureau Land Management , Soil Conservation Service , Alabama Geological Survey , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Office of Surface Mining, Alabama Surface Mining Commission	Management: Disease Control	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	As determined by 2.2; results of research may indicate that incidence of disease is not a limitation to recovery.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Flattened musk turtle (Sternotherus depressus)	3	8	Reduce adverse genetic exchange above Bankhead Dam	Not Started	FY 2021	FY 2030	U.S. Geological Survey, U.S. Forest Service, U.S. Army Corps of Engineers, Alabama Department of Conservation and Natural Resources, Alabama Department of Industrial Relations, Alabama Department of Environmental Management, Environmental Protection Agency , Bureau Land Management , Soil Conservation Service , Alabama Geological Survey , USFWS Regional Office 4 - Atlanta, U.S. Fish and Wildlife enhancement, Office of Surface Mining, Alabama Surface Mining Commission	Management: Other	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	As determined by 2.2; results of research may indicate that genetic exchange is not a limitation to recovery.